Table of Contents: Volume 30 (1998)

Number 1

Reduced Multilinear Constraints: Theory and Experiments ..... *Anders Heyden* 5
The Tractability of Segmentation and Scene Analysis ..... *Martin C. Cooper* 27
Global and Local Active Contours for Head Boundary Extraction ..... *Steve R. Gunn and Mark S. Nixon* 43
Improved Diffuse Reflection Models for Computer Vision .....
..... *Lawrence B. Wolff, Shree K. Nayar and Michael Oren* 55

Number 2

Feature Detection with Automatic Scale Selection ..... *Tony Lindeberg* 79
Edge Detection and Ridge Detection with Automatic Scale Selection ..... *Tony Lindeberg* 117

Number 3

Exploiting Discontinuities in Optical Flow ..... *William B. Thompson* 163
Performance Analysis of Maximum Likelihood Estimator for Recovery of Depth from Defocused Images and Optimal Selection of Camera Parameters ..... *A.N. Rajagopalan and S. Chaudhuri* 175
Three-Dimensional Human Body Model Acquisition from Multiple Views .....
..... *Ioannis A. Kakadiaris and Dimitri Metaxas* 191
Relaxing the Triangle Inequality in Pattern Matching ..... *Ronald Fagin and Larry Stockmeyer* 219